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## INTERNATIONAL SEARCH REPORT

International application No.

		PCT/US04/04	676
A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : H01L 23/495, 21/48			
US CL : 257/666, 676, 684, 690, 693, 713, 778, 723, 698 ; 438/106, 123, 51, 54, 108, 113			
According to	International Patent Classification (IPC) or to both na	tional classification and IPC	
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 257/666, 676, 684, 690, 693, 713, 778, 723, 698 ; 438/106, 123, 51, 54, 108, 113			
3, 3, 3, 100, 113			
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
EAST			
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C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	propriate, of the relevant passages	Relevant to claim No.
X	US 6,713,317 B2 (Knapp et al.) 30 March 2004 (30.	03.2004), Figures 4-6, column 2, line	1-33
	19 - column 6, line 64		, , , ,
Y	US 6,424,034 B1 (Ahn et al.) 23 July 2002 (23.07.2	002), Figure 2, column 5, lines 1-59	1, 4, 7, 13, 17, 23, 24
		,,,	1, 4, 7, 13, 17, 23, 24
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Furthe	r documents are listed in the continuation of Box C.	See patent family annex.	
		"T" later document published after the international filing date or priority	
		date and not in conflict with the	e international filing date or priority application but cited to understand the
"A" documen	t defining the general state of the art which is not considered to be	principle or theory underlying th	e invention
or partic	ular relevance	"X" document of particular relevance	
"E" earlier ap	oplication or patent published on or after the international filing date	Paradami retovimen	; the claimed invention cannot be usidered to involve an inventive step
		when the document is taken alon	e mydre an myennye step
establish	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	KVB daman o d d	
specified	)	"Y" document of particular relevance considered to involve an inventiv	; the claimed invention cannot be
"O" documen	t sofounius to an aud died	combined with one or more othe	r such documents, such combination
O documen	t referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled	in the art
"P" documen	t published prior to the international filing date but later than the	"&" document member of the same p	atent family
priority date claimed			
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